

Chapter 13D. Activity Codes

Code	Description
4100	Resource description and inventory
4300	Resource development, conservation and management
4310	Improve irrigation
4311	Improve drainage
4312	Water use efficiency
4313	Manage the microclimate (Solar energy, wind, frost)
4314	Water and climate, to agricultural production
4315	Recharge groundwaters
4316	Harvest water for farmsteads and livestock
4317	Runoff water, quantity and quality
4318	Hydraulic structures
4319	Other conservation and use of water
4320	Water development conservation and management
4321	Assess and predict fertilizer needs in plants
4322	Fertilizer and soil nutrients
4323	Improve nutrient balance and content in plants
4324	Nutrient cycles in soil
4325	Tillage practices and cropping systems
4326	Other conservation and use of soils
4331	Prevent wind erosion of land
4332	Prevent water erosion of land
4333	Prevent reservoir and harbor sedimentation
4334	Stabilize stream channels
4335	Evaluate and predict sedimentation
4336	Reclaim and manage salt-affected land
4337	Other Conservation and use of land

Code	Description
4350	Conservation and management of vegetational resources
4399	Resource development, conservation and management, general
4400	Evaluation of alternative resource uses and methods of use
4501	Acarine mite
4502	Varroa mite
4503	Other animal mites and fleas
4504	Plant mites
4505	Apple maggot
4506	Caribbean fruit fly
4507	Malaysian fruit fly
4508	Mediterranean fruit fly
4509	Melon fruit fly
4510	Mexican fruit fly
4511	Oriental fruit fly
4512	Olive fruit fly
4513	West Indian fruit fly
4514	Other fruit flies
4515	Hessian fly
4516	Cattle grub
4517	Hornfly
4518	Housefly
4519	Mosquitos, sandflies, fleas
4520	Screwworm
4521	Stable fly
4522	Other vegetable, sugar cane/beet insects
4523	Other vet insect pest
4524	Pecan aphid
4525	Cotton aphid

Code	Description
4526	Green peach aphid
4527	Russian wheat aphid
4528	Potato aphid
4529	Unassigned
4534	Greenhouse whitefly
4535	Sweetpotato whitefly
4536	Apple ermine moth
4537	Bollworm, corn earworm
4538	Beet armyworm
4539	Cabbage looper
4540	Codling moth
4541	Diamondback moth
4542	European corn borer
4543	Fall armyworm
4544	Gypsy moth
4545	Asian gypsy moth
4546	Pink bollworm
4547	Soybean looper
4548	Sugarcane borer
4549	Tobacco budworm
4550	Pink hibiscus mealybug
4554	Other ornamental insect pests
4555	Other fruit and nut insect pests
4556	Cattle tick
4557	Deer tick
4558	Lone star tick
4559	Other ticks
4562	Fire ants

Code	Description
4563	Other ants
4564	Africanized honey bee
4565	Honey bees and other beneficial bees
4566	Boll weevil
4567	Colorado potato beetle
4568	Diaprepes
4569	Pecan Weevil
4570	Cereal leaf beetle
4571	Corn rootworm
4572	Japanese beetle
4573	Asian longhorn beetle
4575	Other field crop insect pests
4576	Cockroaches
4577	Grasshoppers
4580	Insects not specified
4581	Lygus bug
4582	Stinkbug
4584	Other small grain insect pests
4585	Formosa termite
4586	Other termites
4587	<i>Thrips palmi</i> /melon thrips
4588	Pear thrips
4589	Western flower thrips
4590	Other range, forest insect pests
4591	Indian meal moth
4592	Angoumois grain moth
4593	Sawtoothed grain beetle
4594	Lesser grain borer

Code	Description
4595	Red flour beetle
4596	Rice weevil
4599	Other stored product insects
4601	Apply chemical controls
4602	Effectiveness of non-chemical control
4603	Barley yellow dwarf virus
4604	Citrus canker
4605	Citrus tristeza
4606	Potato ring rot
4607	Karnal bunt
4608	Potato early dying
4609	Eastern filbert blight
4610	Potato scab
4611	Identify plant pathogens and etiology
4612	Non-genetic disease control
4613	Non-genetic
4614	Non-genetic vector control
4615	Breed disease resistant plants
4616	Breed insect resistant plants
4617	Breed nematode resistant plants
4618	Nematicides
4619	Fungi, bacteria, and antibiotics
4620	Calf scours
4621	Salmonellosis
4622	Gastroenteritis
4623	Other enteric diseases
4624	E coli and colibacillosis
4625	Anaplasmosis

Code	Description
4626	Coccidiosis
4627	Helminths
4628	Piroplasmosis
4629	Trichinosis
4630	Other parasitic diseases
4631	Swine dysentery
4632	Encephalitides
4633	Pseudorabies
4634	Other nervous system diseases
4635	Scrapie
4636	Brucellosis
4637	Epizootic bovine abortion
4638	Leptospirosis
4639	Vibriosis
4640	Other productive diseases
4641	Bovine virus diarrhea
4642	Atrophic rhinitis
4643	Infectious bronchitis
4644	Influenza
4645	New castle disease
4646	Mycoplasmosis
4647	Other respiratory disease
4648	Malignant catarrhal fever
4650	Leukosis
4651	Marek's disease
4652	Other neoplastic diseases
4654	Bloat
4655	Grass tetany

Code	Description
4656	Ketosis
4657	Milk fever
4658	Metabolic and physiological disorders
4660	Bluetongue
4661	Cholera
4662	Equine infectious anemia
4663	Erysipelas
4664	Ornithosis
4665	Other Generalized Infections
4666	Listeriosis
4667	African swine fever
4668	Food and mouth disease
4669	Other foreign animal diseases
4674	Osteomyelitis - synovitis
4675	Abscesses
4676	Arthritis
4677	Foot rot
4679	Mastit-metritis-agalactia
4680	Mycotic disease and myctox
4681	Pink eye
4682	Tuberculosis and paratuberculosis (Johnes disease)
4683	Other animal diseases and parasites
4684	Yersinia
4685	Arcobacter
4686	Helicobacter
4687	Aeromonas
4690	Campylobacter
4691	Toxoplasma

Code	Description
4692	Neospora
4693	Cryptosporidia
4699	Animal diseases, cross-cutting
4700	Protection against weeds
4701	Knapweed
4702	Leafy spurge
4703	Locoweed
4710	Weed competition and ecology
4720	Chemical weed control
4730	Non-chemical weed control
4740	Herbicides and residues
4750	Other weed control
4810	Fire
4820	Flood
4831	Fertilizer and soil nutrients
4832	Heavy metals
4833	Municipal wastes
4834	Processing and industrial waste
4835	Animal wastes
4836	Harvest aid chemicals
4837	Air pollutants and odors
4838	Acid rain
4839	General other pollutants
4841	Environmental stress
4842	Biological improvement and adaptation
4849	Climate extremes
4850	Birds
4861	Predators

Code	Description
4862	Other mammals
4871	Toxigenic fungi
4872	Food poisoning microorganisms
4873	Other spoilage organisms
4874	Molds, fungi and other microorganisms
4881	Mycotoxins
4882	Bacterial toxins
4883	Natural toxicants
4884	Poisonous and allergenic plants
4885	Other toxins
4891	Protection against noise
4892	Protection against dust
4893	Safe use of farm machinery and equipment
4894	Other agricultural hazards
4910	Germplasm collection, maintenance and distribution
4911	Germplasm evaluation
4912	Germplasm enhancement
4921	Recombinant DNA-Genetics
4922	Other genetics and heredity
4930	Morphology (anatomy, histology, and cytology)
4940	Reproduction, growth, and development
4941	Hormones
4950	Ecology and population dynamics
4960	Behavior-taxis, tropisms, and behavioral substances
4970	Chemical composition
4981	Photosynthesis
4982	Nitrogen fixation
4989	Other plants and animal metabolism

Code	Description
4990	Biology of plants and animals
5011	Improved breeds and varieties
5012	Physical and chemical manipulation, alteration, and treatment of commodity species
5013	Biological utilization of energy, nutrients and foodstuffs
5019	Other improvements for performance
5021	Animal wastes - feed alternatives
5022	Crop residue - feed alternatives
5023	Other alternative feed sources
5030	Managing other physical, chemical, and energy resources for improved production
5090	Improving biological efficiency of plants and animals
5100	Increasing consumer acceptability of farm and forest products
5210	Improve harvesting crops
5220	Improve crop handling
5230	Improve harvesting efficiency
5240	Control plant environment
5250	Animal waste handling
5260	Structures and facilities for housing, feeding and handling animals
5270	Biological improvements - harvesting
5300	Management of labor, capital, and other inputs
5410	Chemical and physical properties of food
5420	Biochemical and chemical reactions in food
5430	Sensory properties of food
5510	Physical processes-food
5520	Bioprocesses-food
5530	Chemical processes-food
5540	Processing efficiencies-food
5550	Product handling, packaging and storage-food

Code	Description
5600	Non-food products
5700	Developing non-food products
5800	Identification, measurement, and maintenance of quality
5900	Improving marketing efficiency
6200	Foreign trade, market development and competition
6310	Nutrient composition of food
6320	Human nutrition requirements
6330	Food fortification, enrichment and improvement
6340	Food consumption patterns and use
6360	Metabolism and function of nutrients in food
6370	Human nutrition and behavior
6380	Nutrition monitoring and surveillance
6390	Eating quality of food
6450	Quality of management and use of personal, domestic, and other resources
6500	Description, inventory and trends
6740	Adjust to economic change
7500	Development of research equipment and technology
9900	General activities (Headquarters use only)